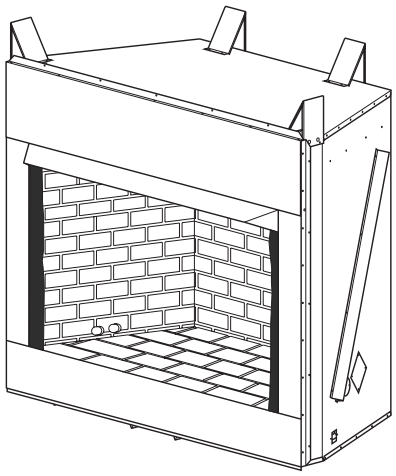
UNVENTED (VENT-FREE) UNIVERSAL FIREBOX

OWNER'S OPERATION AND INSTALLATION MANUAL

For more information, visit www.desatech.com



V50S, V50SH, and VFB50NC Vent-Free Fireboxes

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.

WARNING: FOR USE ONLY WITH A LISTED DECORATIVE TYPE UNVENTED ROOM HEATER. DO NOT BUILD A WOOD FIRE.

This firebox has been tested and approved by CSA International under Z21.91-2001 for use with approved ANSI Z21.11.2 decorative type unvented room heater.

This appliance may be installed in an aftermarket*, permanently located, manufactured (mobile) home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.

***Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer**

Save this manual for future reference.

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SAFETY INFORMATION

⚠ WARNINGSI

IMPORTANT: Read this owner's manual carefully and completely before trying to assemble, operate, or service this firebox. Improper use of this firebox can cause serious injury or death from burns, fire, explosion, electrical shock, or carbon monoxide poisoning.

⚠ WARNING: Carefully review the instructions supplied with the decorative type unvented room heater for the minimum fireplace size requirement.

Do not install the appliance in this firebox, unless this firebox meets the minimum dimensions required for the installation.

⚠ WARNING: Any change to this firebox or its controls can be dangerous.

⚠ WARNING: Do not allow fans to blow directly into the firebox. Avoid any drafts that alter burner flame patterns. Ceiling fans can create drafts that alter burner flame patterns. Altered burner patterns can cause sooting.

⚠ WARNING: Do not use a blower insert, heat exchanger insert, or other accessory not approved for use with this firebox.

Do not place clothing or other flammable material on or near the appliance. Never place any objects in the firebox or on logs.

Firebox front and screen becomes very hot when running firebox. Keep children and adults away from hot surfaces to avoid burns or clothing ignition. Firebox will remain hot for a time after shutdown. Allow surfaces to cool before touching.

Carefully supervise young children when they are in the room with firebox.

You must operate this fireplace with the provided fireplace screen, hood, if provided, in place. Make sure these parts are in place and screens are closed before running firebox. The supplied hood may not be replaced with a hood which may be provided with a log heater.

Keep the fireplace area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

SAFETY INFORMATION
Continued

1. Do not use this firebox as a wood-burning fireplace. Use only decorative unvented room heaters (log sets).
2. Do not add extra logs or ornaments such as pine cones, vermiculite, or rock wool. Using these added items can cause sooting.
3. Use only the provided hood, or appropriate hood accessory. See *Accessories*, page 14.
4. Vent-free gas log heaters installed in these fireboxes require fresh air ventilation to run properly. See *Air for Combustion and Ventilation,* page 5.
5. Do not run vent-free heaters installed in these fireboxes
   - where flammable liquids or vapors are used or stored
   - under dusty conditions
6. Do not use this firebox to cook food or burn paper or other objects.
7. Turn unit off and let cool before servicing. Only a qualified service person should service and repair firebox.
8. Operating vent-free heaters installed in these fireboxes above elevations of 4,500 feet could cause pilot outage.
9. Do not use the firebox if it has been under water.

LOCAL CODES

Install and use fireplace with care. Follow all local codes. In the absence of local codes, use the latest edition of *The National Fuel Gas Code ANSI Z223.1/NFPA 54**. Firebox must be electrically grounded in accordance with the *National Electrical Code, ANSI/NFPA70* (latest edition).

*Available from:

American National Standards Institute, Inc.
1430 Broadway
New York, NY 10018

National Fire Protection Association, Inc.
Batterymarch Park
Quincy, MA 02269

PRODUCT FEATURES

OPERATION

This firebox is designed for use with approved ANSI Z21.11.2 decorative type unvented room heaters. (Physical size limitations apply. Refer to minimum firebox requirements supplied with log heater.) It requires no outside venting or chimney making installation easy and inexpensive. When used without the blower, the firebox requires no electricity making it ideal for emergency backup heat.

REFRACTORY BRICK LINER

Your firebox features a concrete refractory brick liner. As with all concrete liners, this liner may develop slight cracks when exposed to heat. These cracks will not affect the performance of the fireplace or vent-free gas logs.

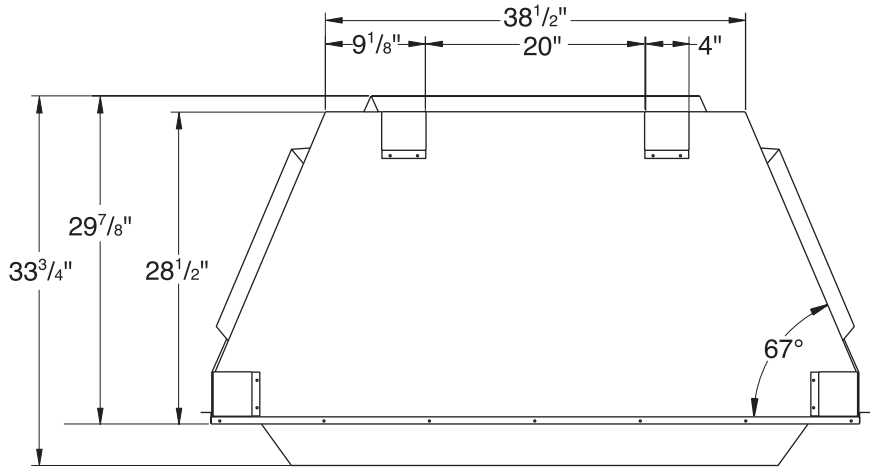
LOCATING FIREBOX

PLANNING

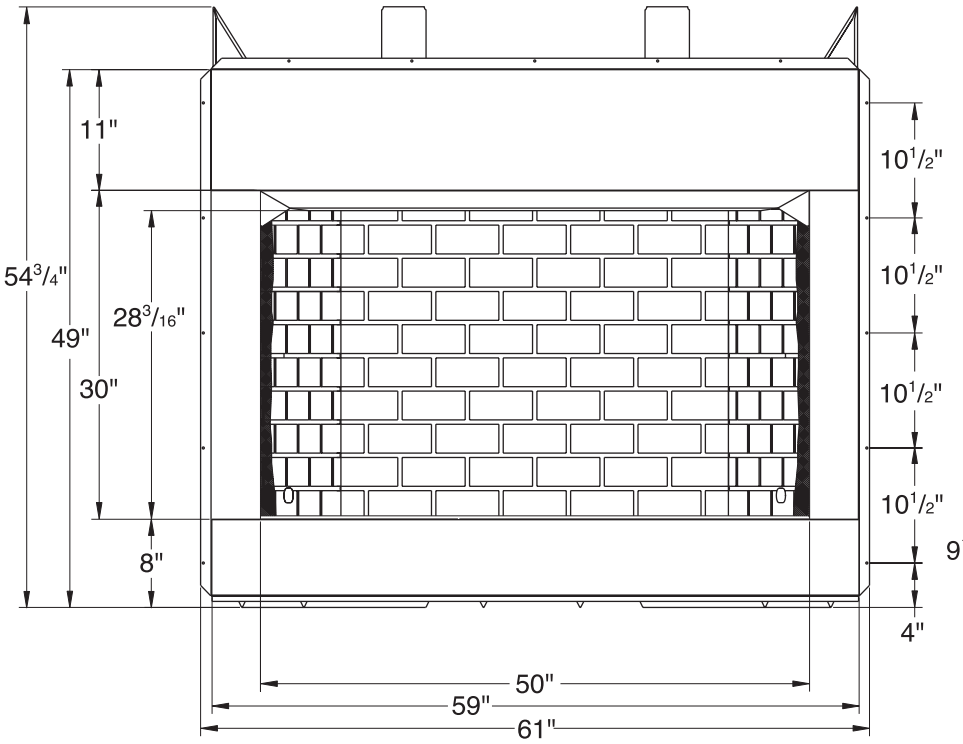
Plan where you will install the firebox. This will save time and money later when you install the firebox. Before installation, consider the following:

1. Where the firebox will be located. Allow for wall and ceiling clearances (see *Installation Clearances,* page 8).
2. Everything needed to complete installation.
3. These models CANNOT be installed in a bedroom unless the maximum Btu rating of the installed vent-free log set is less than 10,000 Btu/hr.
4. Proper air for combustion and ventilation (page 5).

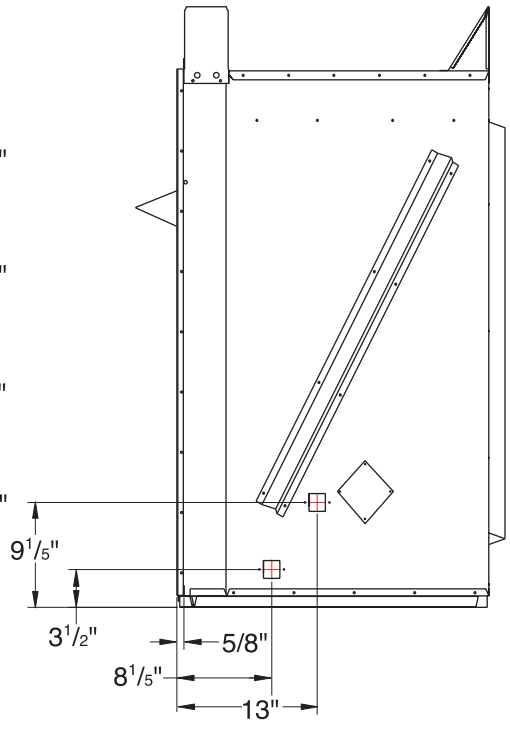
PRODUCT SPECIFICATIONS



Firebox Top View



Front View



Side View

Figure 1 - Firebox Dimensions

AIR FOR COMBUSTION AND VENTILATION

⚠ WARNING: This firebox shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air. Read the following instructions to insure proper fresh air for this and other fuel-burning appliances in your home.

Today's homes are built more energy efficient than ever. New materials, increased insulation, and new construction methods help reduce heat loss in homes. Home owners weather strip and caulk around windows and doors to keep the cold air out and the warm air in. During heating months, home owners want their homes as airtight as possible.

While it is good to make your home energy efficient, your home needs to breathe. Fresh air must enter your home. All fuel-burning appliances need fresh air for proper combustion and ventilation.

Exhaust fans, fireboxes, clothes dryers, and fuel burning appliances draw air from the house to operate. You must provide adequate fresh air for these appliances. This will insure proper venting of vented fuel-burning appliances.

PROVIDING ADEQUATE VENTILATION

The following are excerpts from *National Fuel Gas Code, ANSI Z223.1/NFPA 54, Section 5.3, Air for Combustion and Ventilation*.

All spaces in homes fall into one of the three following ventilation classifications:

1. Unusually Tight Construction
2. Unconfined Space
3. Confined Space

The information on pages 5 through 7 will help you classify your space and provide adequate ventilation.

Unusually Tight Construction

The air that leaks around doors and windows may provide enough fresh air for combustion and ventilation. However, in buildings of unusually tight construction, you must provide additional fresh air.

Unusually tight construction is defined as construction where:

a. walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of one perm (6×10^{-11} kg per pa-sec-m^2) or less with openings gasketed or sealed *and*

b. weather stripping has been added on openable windows and doors *and*

c. caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical, and gas lines, and at other openings.

If your home meets all of the three criteria above, you must provide additional fresh air. See *Ventilation Air From Outdoors*, page 7.

If your home does not meet all of the three criteria above, proceed to *Determining Fresh-Air Flow for Firebox Location,* page 6.

Confined and Unconfined Space

The National Fuel Gas Code, ANSI Z223.1/NFPA 54 defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kw) of the aggregate input rating of all appliances installed in that space and an unconfined space as a space whose volume is not less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed*, through openings not furnished with doors, are considered a part of the unconfined space.

* Adjoining rooms are communicating only if there are doorless passageways or ventilation grills between them.

AIR FOR COMBUSTION AND VENTILATION

Continued

DETERMINING FRESH-AIR FLOW FOR FIREBOX LOCATION

Determining if You Have a Confined or Unconfined Space

Use this work sheet to determine if you have a confined or unconfined space.

Space: Includes the room in which you will install heater plus any adjoining rooms with doorless passageways or ventilation grills between the rooms.

1. Determine the volume of the space (length x width x height).

   Length x Width x Height = _____ cu. ft. (volume of space)

   Example: Space size 22 ft. (length) x 18 ft. (width) x 8 ft. (ceiling height) = 3168 cu. ft. (volume of space)

   If additional ventilation to adjoining room is supplied with grills or openings, add the volume of these rooms to the total volume of the space.

2. Multiply the space volume by 20 to determine the maximum Btu/Hr the space can support.

   _____ (volume of space) x 20 = (Maximum Btu/Hr the space can support)

   Example: 3168 cu. ft. (volume of space) x 20 = 63,360 (maximum Btu/Hr the space can support)

3. Add the Btu/Hr of all fuel burning appliances in the space.

Vent-free heater		_____	Btu/Hr
Gas water heater*		_____	Btu/Hr
Gas furnace		_____	Btu/Hr
Vented gas heater		_____	Btu/Hr
Gas fireplace logs		_____	Btu/Hr
Other gas appliances*	+	_____	Btu/Hr
Total	=	_____	Btu/Hr

   * Do not include direct-vent gas appliances. Direct-vent draws combustion air from the outdoors and vents to the outdoors.

   Example:

Gas water heater		40,000	Btu/Hr
Vent-free heater	+	39,000	Btu/Hr
Total	=	79,000	Btu/Hr

4. Compare the maximum Btu/Hr the space can support with the actual amount of Btu/Hr used.

   _____ Btu/Hr (maximum the space can support)

   _____ Btu/Hr (actual amount of Btu/Hr used)

   Example: 63,360 Btu/Hr (maximum the space can support)

   79,000 Btu/Hr (actual amount of Btu/Hr used)

The space in the above example is a confined space because the actual Btu/Hr used is more than the maximum Btu/Hr the space can support. You must provide additional fresh air. Your options are as follows:

A. Rework worksheet, adding the space of an adjoining room. If the extra space provides an unconfined space, remove door to adjoining room or add ventilation grills between rooms. See *Ventilation Air From Inside Building*, page 7.

B. Vent room directly to the outdoors. See *Ventilation Air From Outdoors*, page 7.

C. Install a lower Btu/Hr heater, if lower Btu/Hr size makes room unconfined.

If the actual Btu/Hr used is less than the maximum Btu/Hr the space can support, the space is an unconfined space. You will need no additional fresh air ventilation.

⚠ WARNING: If the area in which the heater may be operated is smaller than that defined as an unconfined space or if the building is of unusually tight construction, provide adequate combustion and ventilation air by one of the methods described in the *National Fuel Gas Code, ANSI Z223.1/NFPA 54 Section 5.3* or applicable local codes.

AIR FOR COMBUSTION AND VENTILATION
Continued

VENTILATION AIR

Ventilation Air From Inside Building

This fresh air would come from an adjoining unconfined space. When ventilating to an adjoining unconfined space, you must provide two permanent openings: one within 12" of the ceiling and one within 12" of the floor on the wall connecting the two spaces (see options 1 and 2, Figure 3). You can also remove door into adjoining room (see option 3, Figure 2). Follow the *National Fuel Gas Code, ANSI Z223.1/NFPA 54, Section 5.3, Air for Combustion and Ventilation* for required size of ventilation grills or ducts.

Ventilation Air From Outdoors

Provide extra fresh air by using ventilation grills or ducts. You must provide two permanent openings: one within 12" of the ceiling and one within 12" of the floor. Connect these items directly to the outdoors or spaces open to the outdoors. These spaces include attics and crawl spaces. Follow the *National Fuel Gas Code, ANSI Z223.1/NFPA 54, Section 5.3, Air for Combustion and Ventilation* for required size of ventilation grills or ducts.

IMPORTANT: Do not provide openings for inlet or outlet air into attic if attic has a thermostat-controlled power vent. Heated air entering the attic will activate the power vent.

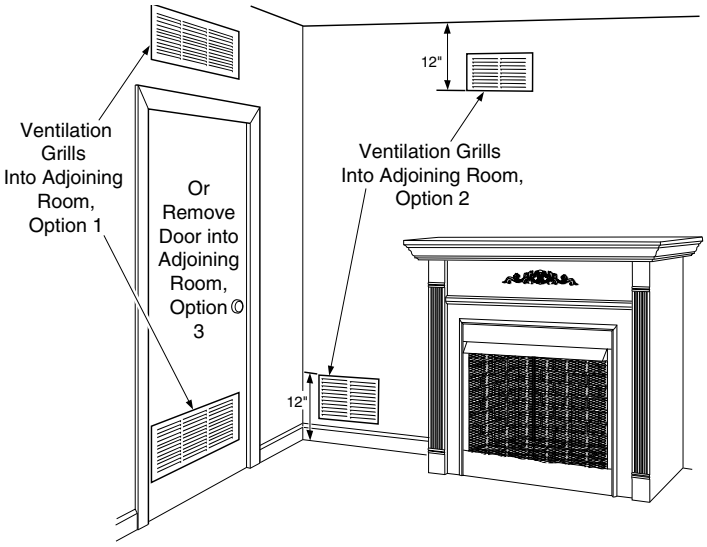


Figure 2 - Ventilation Air from Inside Building

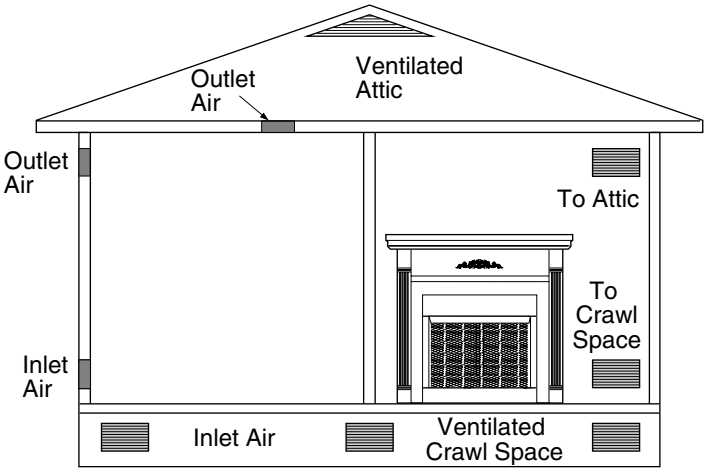


Figure 3 - Ventilation Air from Outdoors

INSTALLATION

⚠ WARNING: A qualified service person must install firebox. Follow all local codes.

⚠ WARNING: Never install the firebox
- **in a bedroom or bathroom***
- **in a recreational vehicle**
- **where curtains, furniture, clothing, or other flammable objects are less than 42 inches from the front, top, or sides of the firebox**
- **in high traffic areas**
- **in windy or drafty areas**

*** Unless the installed log set is rated at 10,000 Btu/Hr or less.**

⚠ CAUTION: Log heaters installed in this firebox create warm air currents. These currents move heat to wall surfaces next to firebox. Installing firebox next to vinyl or cloth wall coverings or operating firebox where impurities (such as, but not limited to, tobacco smoke, aromatic candles, cleaning fluids, oil or kerosene lamps, etc.) in the air exist, may discolor walls or cause odors.

NOTICE: The firebox identification label (including model number, serial number, clearances, etc.) is located on a chain under the bottom refractory.

IMPORTANT: Vent-free gas log heaters add moisture to the air. Although this is beneficial, installing firebox in rooms without enough ventilation air may cause mildew to form from too much moisture. See *Air for Combustion and Ventilation,* page 5.

IMPORTANT: Make sure the firebox is level. If firebox is not level, log set will not work properly.

Note: Your firebox is designed to be used in zero clearance installations. Wall or framing material can be placed against any exterior surface on the rear, sides, top or bottom of your firebox, except where standoff spacers are integrally attached. If standoff spacers are attached to your firebox, these spacers can be placed directly against wall or framing materials. Use the dimensions shown for rough opening to create the easiest installation.

Use dimensions shown for rough openings to create the easiest installation (see *Built-In Firebox Installation,* page 9).

INSTALLATION CLEARANCES

⚠ WARNING: Maintain the minimum clearances. If you can, provide greater clearances from floor, ceiling, and adjoining wall.

Carefully follow the instructions below. This will ensure safe installation.

Minimum Wall and Ceiling Clearances (see Figure 4)

A. Clearances from the side of the fireplace cabinet to any combustible material and wall should follow diagram in Figure 4.

Example: The face of a mantel, bookshelf, etc. is made of combustible material and protrudes 3 1/2" from the wall. This combustible material must be 4" from the side of the fireplace cabinet (see Figure 4).

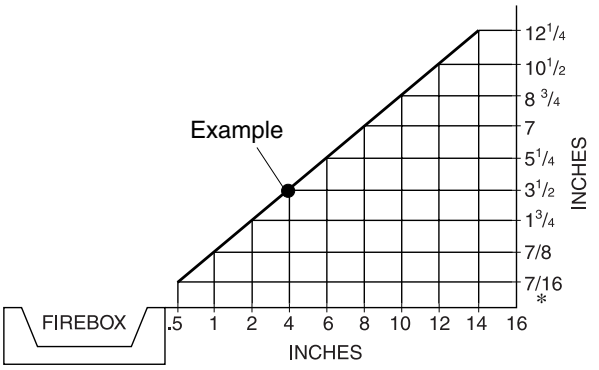
B. Clearances from the top of the firebox opening to the ceiling should not be less than 42 inches.

C. When the firebox is installed on carpeting or other combustible material, other than wood flooring, the firebox should be installed on a metal or wood panel extending the full width and depth of the enclosure.

D. Clearances from the bottom of firebox to the floor is 0 inches.

These fireboxes can be installed as freestanding units against a wall with approved cabinet mantels that may be available from your retailer or supplier, or as a built-in unit. The clearances are the same for either installation method.

⚠ CAUTION: Do not install the firebox directly on carpet or vinyl.



*Minimum 16 inches from Side Wall

Figure 4 - Minimum Clearance for Combustible to Wall

INSTALLATION
Continued

Mantel Clearances for Built-In Installation

If placing custom mantel above built-in firebox, you must meet the minimum allowable clearance between mantel shelf and top of firebox opening shown in Figure 5. These are the minimum allowable mantel clearances for a safe installation. Use larger clearances wherever possible to minimize the heating of objects and materials placed on the mantel.

⚠ CAUTION: Do not allow the vent-free gas log heater to touch or extend beyond the fireplace screen.

NOTICE: Surface temperatures of adjacent walls and mantels become hot during operation. Walls and mantels above the firebox may become hot to the touch. If installed properly, these temperatures meet the requirement of the national product standard. Follow all minimum clearances shown in this manual.

NOTICE: If your installation does not meet the minimum clearances shown, you must do one of the following:
- **raise the mantel to an acceptable height**
- **remove the mantel**

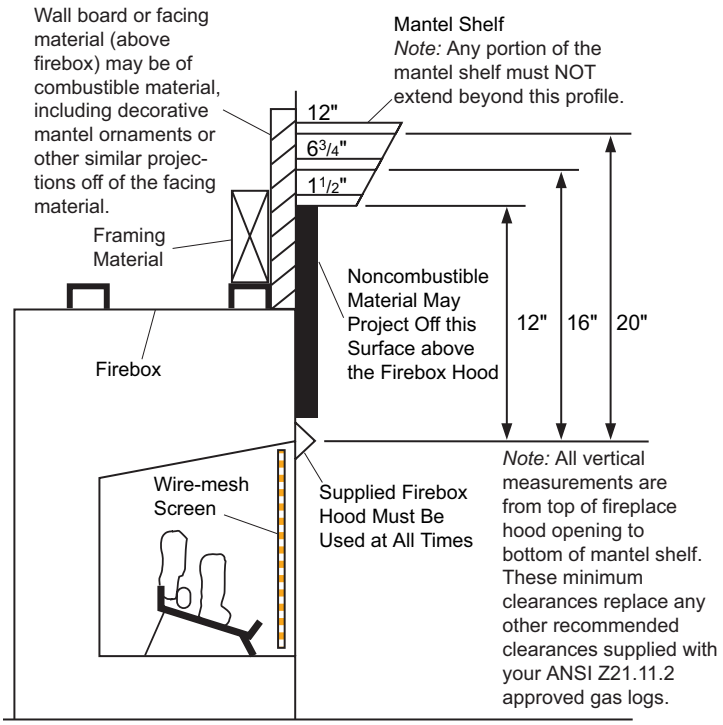


Figure 5 - Minimum Mantel Clearances for Built-In Installation

BUILT-IN FIREBOX INSTALLATION

Built-in installation of this firebox involves installing firebox into a framed-in enclosure. This makes the front of firebox flush with wall. If installing a mantel above the firebox, you must follow the clearances shown in Figure 5. Follow these instructions to install the firebox in this manner.

1. Frame in rough opening. The firebox framing should be constructed of 2 x 4 lumber or heavier. Use dimensions and rough opening layout in Figure 6a. Adjust framing so that firebox flushes with finished wall surface. If installing in a corner, use dimensions in Figures 6b for rough opening.
2. Install gas piping to firebox location. See *Installing Gas Line* on page 11 and *Connecting to Gas Supply* in log set owner's manual.
3. Carefully set firebox in front of rough opening with back of firebox inside wall opening.
4. Carefully insert firebox into rough opening.
5. Attach firebox to wall studs using nails or wood screws through holes in nailing flange (see Figure 7, page 10).
6. Install and properly test gas log heater. Follow installation instructions included with the vent-free gas log heater that is being installed.

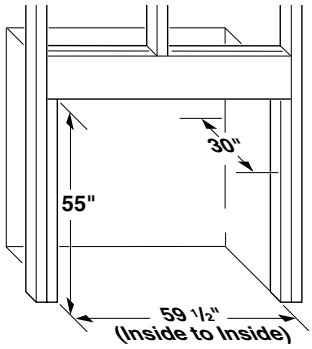


Figure 6a

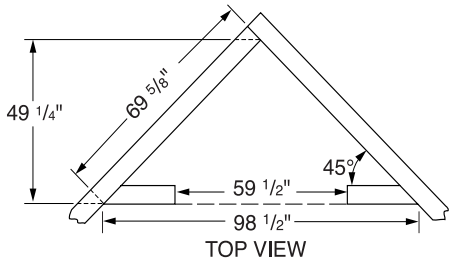


Figure 6b

Figure 6 - Rough Opening for Installing in Wall

INSTALLATION
Continued

IMPORTANT: When finishing your firebox, combustible materials such as wall board, gypsum board, sheet rock, drywall, plywood, etc. may be butted up next to the sides and top of the firebox. Combustible materials should never overlap the firebox front facing.

⚠ WARNING: Do not allow any combustible materials to overlap the firebox front facing.

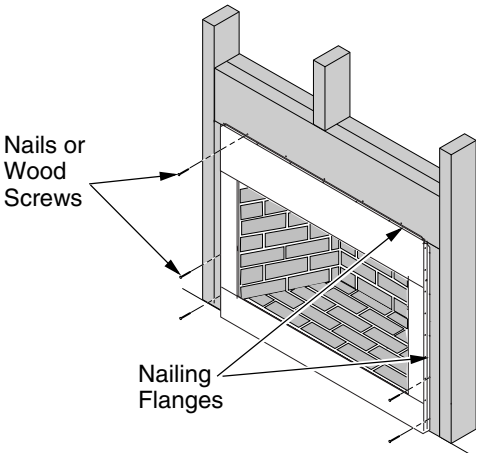


Figure 7 - Attaching Firebox to Wall Studs

IMPORTANT: Noncombustible materials such as brick, tile, etc. may overlap the front facing, but should never cover any necessary openings like louvered slots.

⚠ WARNING: Do not allow noncombustible materials to cover any necessary openings like louvered slots.

⚠ WARNING: Use only noncombustible mortar or adhesives when overlapping the front facing with noncombustible facing material.

INSTALLING FIREBOX USING OPTIONAL MANTELS AVAILABLE FROM RETAILER OR CUSTOM BUILT

⚠ WARNING: A qualified service person must install firebox. Follow all local codes.

This firebox may be installed using a cabinet mantel against a wall in your home. The firebox and cabinet mantel can be installed directly on the floor. Mantels may be available from your retailer or custom built for your home.

1. Assemble cabinet mantel as instructed.
2. Install gas piping to firebox location. See *Installing Gas Line,* page 11. You may have to cut an access hole in the floor or wall to run gas line to firebox. Make sure to locate access hole so cabinet mantel will cover it when installed (see Figure 8).
3. Place firebox on floor in desired location. Make sure mantel will be flush against wall when installed.
4. Carefully slide cabinet mantel over firebox. Be careful not to scratch firebox, cabinet mantel, flooring, etc. when installing (see Figure 9).
5. Install and properly test gas log heater. Follow installation instructions included with the vent-free gas log heater that is being installed.

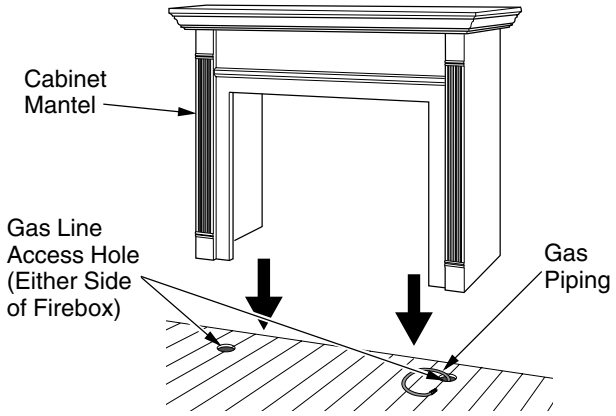


Figure 8 - Installing Cabinet Mantel (Mantel May Vary From Illustration)

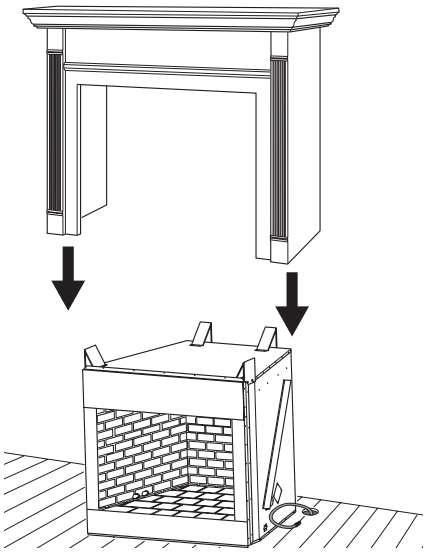


Figure 9 - Inserting Firebox Into Cabinet Mantel (Mantel May Vary From Illustration)

INSTALLATION
Continued

INSTALLING GAS LINE

⚠ WARNING: A qualified service person must connect heater to gas supply. Follow all local codes.

IMPORTANT: See *Connecting to Gas Supply* in your log set owner's manual for details on gas hookup.

You may run the gas line from either side of the firebox (see Figure 11). Decide which side you want to run the gas line from.

Note: This is one option for installing shutoff valve. Check local codes for equipment shutoff valve location requirements.

Locate the recessed knockout in one of the firebrick sidewall liners (see Figures 10 and 11). Firmly tap the center of the knockout with a chisel until it is released. Carefully chisel the rough edges of the hole you have made to smooth edges. This hole will line up with the hole in the outer casing.

Locate the recessed knockout in one of the firebrick sidewall liners (see Figures 10 and 11). Firmly tap the center of the knockout with a chisel until it is released. Carefully chisel the rough edges of the hole to smooth edges. This hole will line up with the hole in the outer casing.

⚠ CAUTION: Do not use excessive force to remove the knockout. Too much force may damage the firebrick concrete insert.

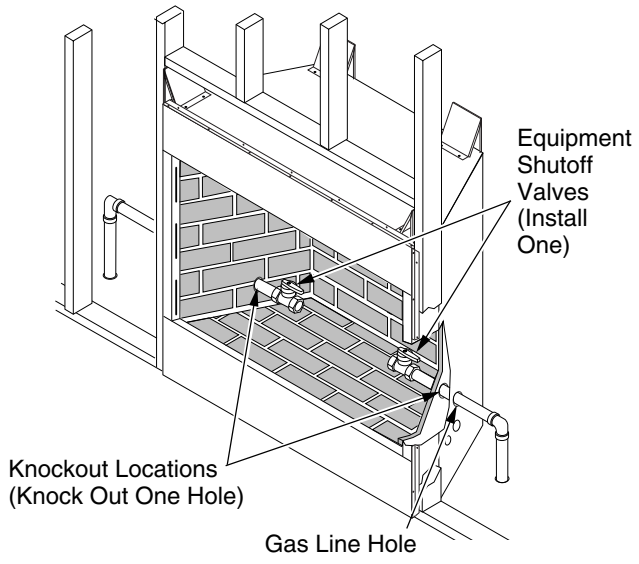


Figure 10 - Installing Gas Line and Equipment Shutoff Valve (Model May Vary From Illustration)

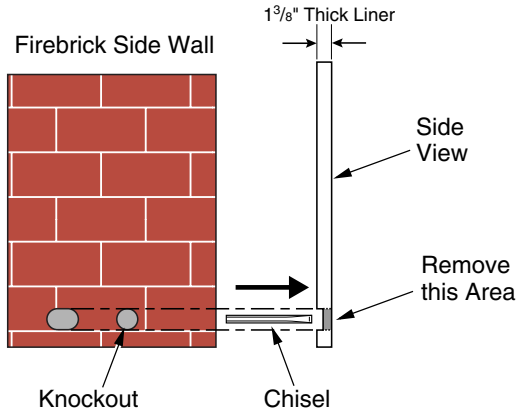


Figure 11 - Location of Knockout for Gas Line

INSTALLING FIREPLACE HOOD AND SCREEN

1. Attach hood to firebox using screws provided (see Figure 12).
2. Insert each rod through all rings located at top of screen.
3. Insert first rod into rear hole in left side of firebox. Fasten rod to rear hole near center of firebox using #10 x 3/8" Phillips screw provided (see Figure 13).
4. Insert other rod into front hole on right side of firebox and fasten using remaining Phillips screw.

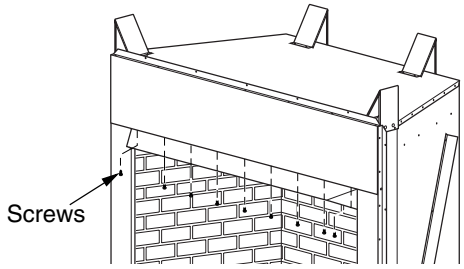


Figure 12 - Screw and Hood Placement

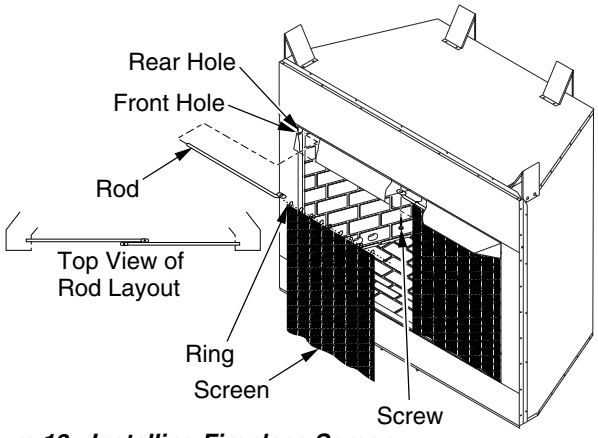
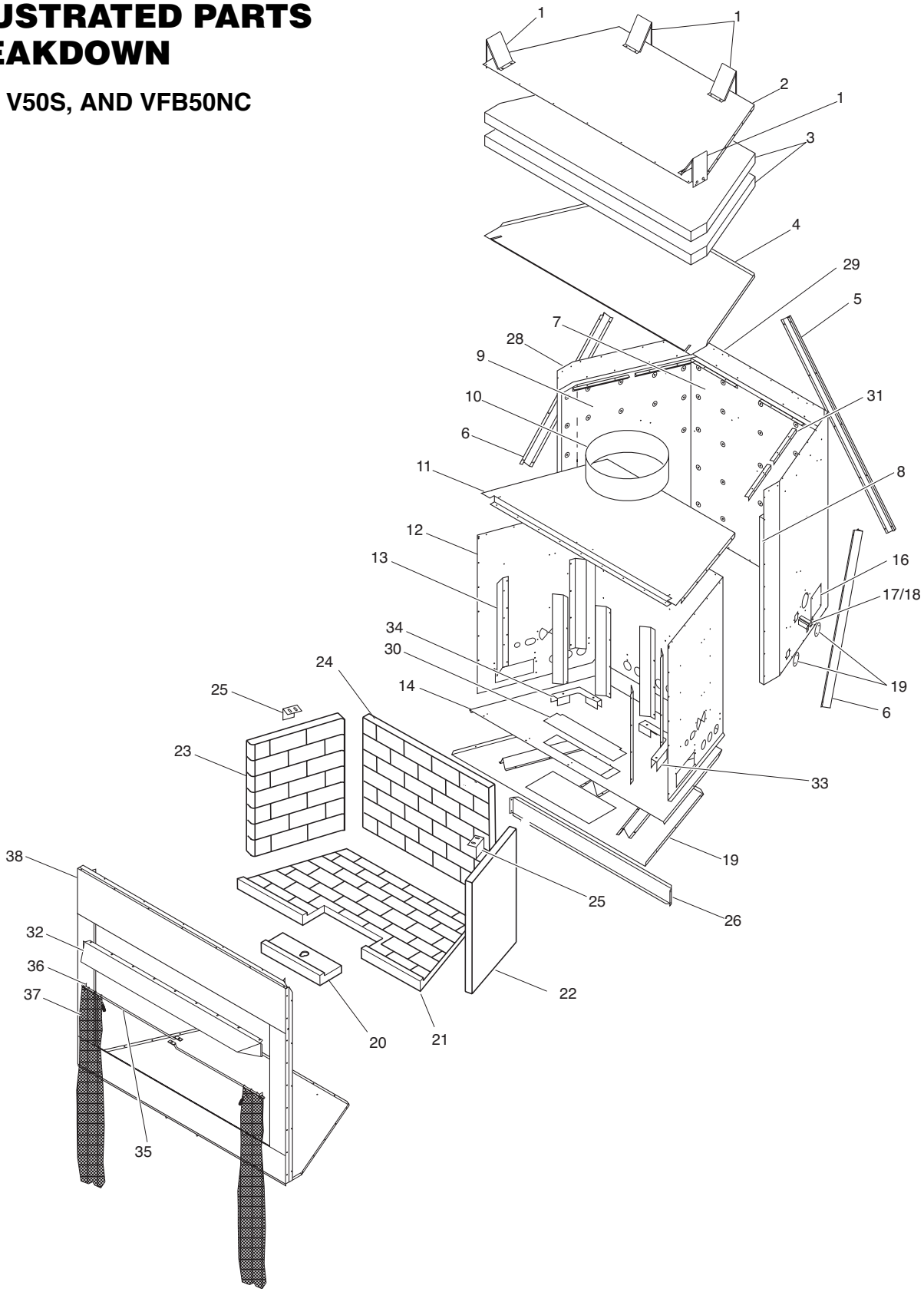


Figure 13 - Installing Fireplace Screen

ILLUSTRATED PARTS BREAKDOWN

V50H, V50S, AND VFB50NC



PARTS LIST

V50H, V50S, AND VFB50NC

This list contains replaceable parts used in your firebox. When ordering parts, follow the instructions listed under *Replacement Parts* on page 14 of this manual.

KEY NO.	PART NUMBER	DESCRIPTION	QTY.	KEY NO.	PART NUMBER	DESCRIPTION	QTY.
1	23490	Top Spacer	4	22	111423-01	Right Refractory	1
2	110285-03	Fireplace Top	1		111423-02	Right Refractory, Red	1
3	109731-01	Fireplace Top Insulation	2		111507-02	Right Refractory, H-Bone	1
4	109732-01	Insulation Pan	1	23	111424-01	Left Refractory	1
5	109720-01	Clearance Spacer	1		111424-02	Left Refractory, Red	1
6	109720-02	Clearance Spacer	2		111508-02	Left Refractory, H-Bone	1
7	110461-01	Rear Insulation	1	24	111429-01	Rear Refractory	1
8	110451-01	Right Insulation	1		111429-02	Rear Refractory, Red	1
9	110452-01	Left Insulation	1		111513-02	Rear Refractory, H-Bone	1
10	109738-01	Pan Support Insulation Ring	1	25	110750-01	Refractory Retainer	2
11	**	Firebox Top	1	26	109767-01	Firebox Support	1
12	**	Firebox Surround	1	27	**	Right Outer Case	1
13	109714-01	Refractory Spacer	7	28	**	Left Outer Case	1
14	109754-01	Firebox Bottom	1	29	**	Rear Outer Case	1
15	109721-01	Firebox Floor Assembly	1	30	21198	Blower Access Plate	1
16	20042	Cover Plate	2	31	109723-01	Support Pan Bracket	6
17	109752-01	Gas Line One Conduit	2	32	109511-01	Deflector Hood	1
18	109752-02	Gas Line Two Conduit	2	33	110447-01	Right Corner Bracket	1
19	21171	Gas Line Cover	4	34	110447-02	Left Corner Bracket	1
20	111425-01	Bottom Front Refractory	1	35	110456-01	Screen Rod	2
	111425-02	Bottom Front Refractory, Red	1	36	11418	Screen Retainer Clip	2
	111509-02	Bottom Front Refractory, H-Bone	1	37	109457-01	Screen	2
21	111428-01	Bottom Rear Refractory	1	38	**	Face Weldment	1
	111428-02	Bottom Rear Refractory, Red	1				
	111512-02	Bottom Rear Refractory, H-Bone	1				

** Not a field replaceable part.

TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting. If so, contact DESA's Technical Service Department at 1-866-672-6040. When calling, please have your model and serial numbers of your firebox ready.

You can also visit DESA's technical services web site at **www.desatech.com**.

REPLACEMENT PARTS

Note: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

PARTS UNDER WARRANTY

Contact authorized dealers of this product. If they can't supply original replacement part(s), call DESA's Technical Service Department at 1-866-672-6040.

When calling DESA International, have ready

- your name
- your address
- model and serial numbers of your firebox
- how firebox was malfunctioning
- type of gas used (propane/LP or natural gas)
- purchase date

Usually, we will ask you to return the part to the factory.

PARTS NOT UNDER WARRANTY

Contact authorized dealers of this product. If they can't supply original replacement part(s), call DESA at 1-866-672-6040 for referral information.

When calling DESA, have ready

- model number of your firebox
- the replacement part number

Note: The firebox identification label (including model number, serial number, clearances, etc.) is located on the right front edge of the firebox.

ACCESSORIES

NOTICE: All accessories may not be available for all fireplace models.

Purchase these firebox accessories from your local dealer. If they can not supply these accessories, call DESA's Sales Department at 1-866-672-6040 for information. You can also write to the address listed on the back page of this manual.

EQUIPMENT SHUTOFF VALVE - GA5010

All Models. Equipment shutoff valve with 1/8" NPT tap.

CLEANING KIT - GCK/CCK

All Models. Your vent-free gas appliance requires regular cleaning and maintenance to prevent performance problems. This kit gives you the tools and instructions to make it easy to clean all critical areas of your appliance.

HOODS

H50B - 50" Hood - Brushed Brass
H50P - 50" Hood - Platinum
H50PB - 50" Hood - Polished Brass

OWNER'S REGISTRATION FORM

In order to provide better customer service for this and future purchases, we recommend that you register your product with us. You can register online at **www.desatech.com**. If access to our website is not available to you, please complete this Owner's Registration Form and mail to the address on the back of this owner's manual. Please provide the following product information:

Brand: _____ (Comfort Glow, Vanguard, etc.)

Model: _____ (EFP33PR, VTGH33NR, etc.)

Date Purchased: _____ *Note:* Keep receipt for warranty verification.

Serial Number: _____ 7 or 9 digit number located on product or identification tag.

First Name: _____ Last Name: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Home Phone: (_____) _____-_____

E-Mail: _____

Please answer the following questions to register your product with DESA:

1. Where will the product be used?
   ❍ Living/Family Room ❍ Office/Warehouse ❍ Utility Shed/Outbuilding ❍ Garage ❍ Bedroom ❍ Bathroom ❍ Other
2. If you bought this product yourself, did you plan to purchase this type of product before going into the store? ❍ Yes ❍ No
3. Who selected the product? ❍ Male ❍ Female ❍ Both
4. What is the population of your area? ❍ Under 10,000 ❍ 10,000 to 25,000 ❍ 25,000 to 50,000 ❍ 50,000 to 100,000 ❍ 100,000 to 250,000 ❍ Over 250,000
5. What is your primary source of heat? ❍ Propane (LP Gas) ❍ Fuel Oil ❍ Wood ❍ Natural Gas ❍ Electric ❍ Other
6. How was the product installed? ❍ Professional Installer ❍ Self ❍ Other
7. Cost of product excluding sales tax? $_____
8. Cost to install product? $_____
9. Type of store where product was purchased? ❍ Hardware ❍ Propane Dealer ❍ Natural Gas/Utility Co. ❍ Home Center/Builder's Supply ❍ Fireplace or Hearth Shop ❍ Farm Store ❍ Other
10. What motivated you to buy this product? ❍ Sudden Cold Weather ❍ Replace Older Model ❍ D.I.Y. Home Project ❍ Emergency Back-Up Heat ❍ Heater was on Sale ❍ Energy Savings/High Efficiency ❍ Construction Project ❍ Other
11. How did you learn about this product brand? ❍ Advertising ❍ Relative or Friend ❍ Store Display ❍ Other _____
12. Level of Education of Purchaser: ❍ Some High School ❍ Completed High School ❍ Completed College ❍ Completed Graduate School
13. Age of Purchaser: ❍ Under 20 ❍ 20 - 29 ❍ 30 - 39 ❍ 40 - 49 ❍ 50 - 59 ❍ 60 or Over
14. Buyer's total annual household income: ❍ Under $15,000 ❍ $15,000 to $19,999 ❍ $20,000 to $34,999 ❍ $35,000 to $49,999 ❍ $50,000 to $74,999 ❍ $75,000 to $99,999 ❍ $100,000 and Over
15. Store where product was purchased:
    Name: _____
    City: _____ State: _____
16. In choosing this product, how important were the following:

	Not Important	Somewhat Important	Very Important
Availability	❍	❍	❍
Price	❍	❍	❍
Brand Name	❍	❍	❍
Overall Quality	❍	❍	❍
Heat Output	❍	❍	❍
Made in USA	❍	❍	❍
Warranty	❍	❍	❍
Local Service	❍	❍	❍
Value for Price	❍	❍	❍
Prior Brand Experience	❍	❍	❍
Controls Location	❍	❍	❍
Thermostat, Remote, or Manual Operation	❍	❍	❍
Ease of Operation	❍	❍	❍
Special Features	❍	❍	❍
Salesperson's Recommendation	❍	❍	❍
Friend/Relative's Recommendation	❍	❍	❍
Portability	❍	❍	❍
Quiet Operation	❍	❍	❍

TAPE

Postage
Required

2701 Industrial Drive
P.O. Box 90004
Bowling Green, KY 42102-9004

TAPE

NOTES

WARRANTY INFORMATION

KEEP THIS WARRANTY

Model _____

Serial No. _____

Date Purchased _____

Always specify model and serial numbers when communicating with the factory.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty. We make no other warranty, expressed or implied.

LIMITED WARRANTY
VENT-FREE FIREBOX

DESA warrants this product to be free from defects in materials and components for four (4) years from the date of first purchase, provided that the product has been properly installed, operated and maintained in accordance with all applicable instructions. To make a claim under this warranty the Bill of Sale or cancelled check must be presented.

This warranty is extended only to the original retail purchaser. This warranty covers the cost of part(s) required to restore this heater to proper operating condition and an allowance for labor when provided by a DESA Authorized Service Center. Warranty part(s) MUST be obtained through authorized dealers of this product and/or DESA who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty. The heater MUST be installed by a qualified installer in accordance with all local codes and instructions furnished with the unit.

This warranty does not apply to parts that are not in original condition because of normal wear and tear, or parts that fail or become damaged as a result of misuse, accidents, lack of proper maintenance or defects caused by improper installation. As with all concrete liners, this liner may develop slight cracks when exposed to heat. This cracking is considered normal. Travel, diagnostic cost, labor, transportation and any and all such other costs related to repairing a defective heater will be the responsibility of the owner.

TO THE FULL EXTENT ALLOWED BY THE LAW OF THE JURISDICTION THAT GOVERNS THE SALE OF THE PRODUCT; THIS EXPRESS WARRANTY EXCLUDES ANY AND ALL OTHER EXPRESSED WARRANTIES AND LIMITS THE DURATION OF ANY AND ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO FOUR (4) YEARS ON ALL COMPONENTS FROM THE DATE OF FIRST PURCHASE; AND DESA'S LIABILITY IS HEREBY LIMITED TO THE PURCHASE PRICE OF THE PRODUCT AND DESA SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES WHATSOEVER INCLUDING INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow a limitation on how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitation on implied warranties, or exclusion or limitation on damages may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For information about this warranty write:

DESA™

2701 Industrial Drive
P.O. Box 90004
Bowling Green, KY 42102-9004

www.desatech.com

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NOT A UPC

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